



FEMA



Prepared by
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FEMA Region 6 Weather Threat Briefing

Monday, September 10, 2018

Disclaimer: The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to www.weather.gov/srh.

Monday - Tuesday

- Isolated areas of heavy rain/flash flooding possible along/near the **TX/LA** coasts.

Wednesday - Friday

- Isolated heavy rain/flash flooding possible across **SE TX/S LA**.

Tropical Outlook

- Florence will strengthen into a major hurricane in the next day or two. Impacts to **FEMA 6** are not expected.
- Hurricane Isaac is in the eastern **Atlantic** and will continue moving west this week. Isaac is expected to move into the **Caribbean** later this week.
- Helene is in the eastern **Atlantic** and will continue moving west, then a turn to the northwest. Impacts to **FEMA 6** are not likely.
- An area of thunderstorms associated with a tropical wave is located between **Cuba** and **Honduras** and move slowly into the **Gulf of Mexico** by mid week. Conditions are expected to become a little more favorable for tropical development by then.
 - Formation chances in the next 48 hours...low...10 percent.
 - Formation chances in the next 5 days...medium...40 percent.

FEMA Region 6 Threat Matrix

Sept 10, 2018 – Sept 14, 2018



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DAY / THREAT	MON	TUE	WED	THU	FRI
Severe Storms					
Heavy Rain / Flash Flooding	TX/LA coasts	TX/LA coasts	TX/LA coasts	TX/LA coasts	TX/LA coasts
Fire Weather					
Tropical Weather					
River Flooding	TX	TX			

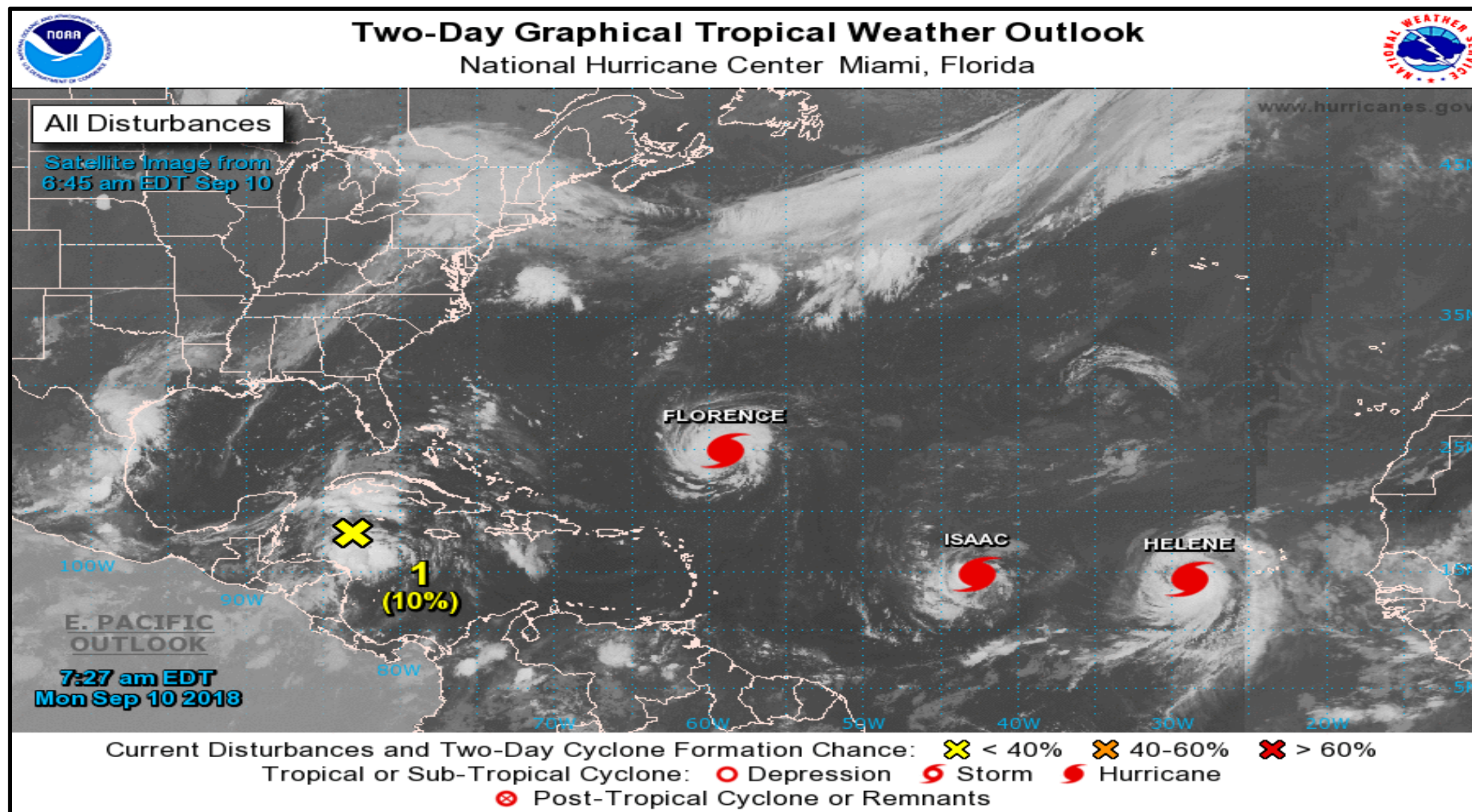
	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

**Threat levels are based on FEMA Region 6 criteria.
State or local threat level criteria may differ.*
For more details on the colors in the threat matrix refer to the last slide in this briefing.*

Tropical Weather Outlook – Atlantic/Gulf



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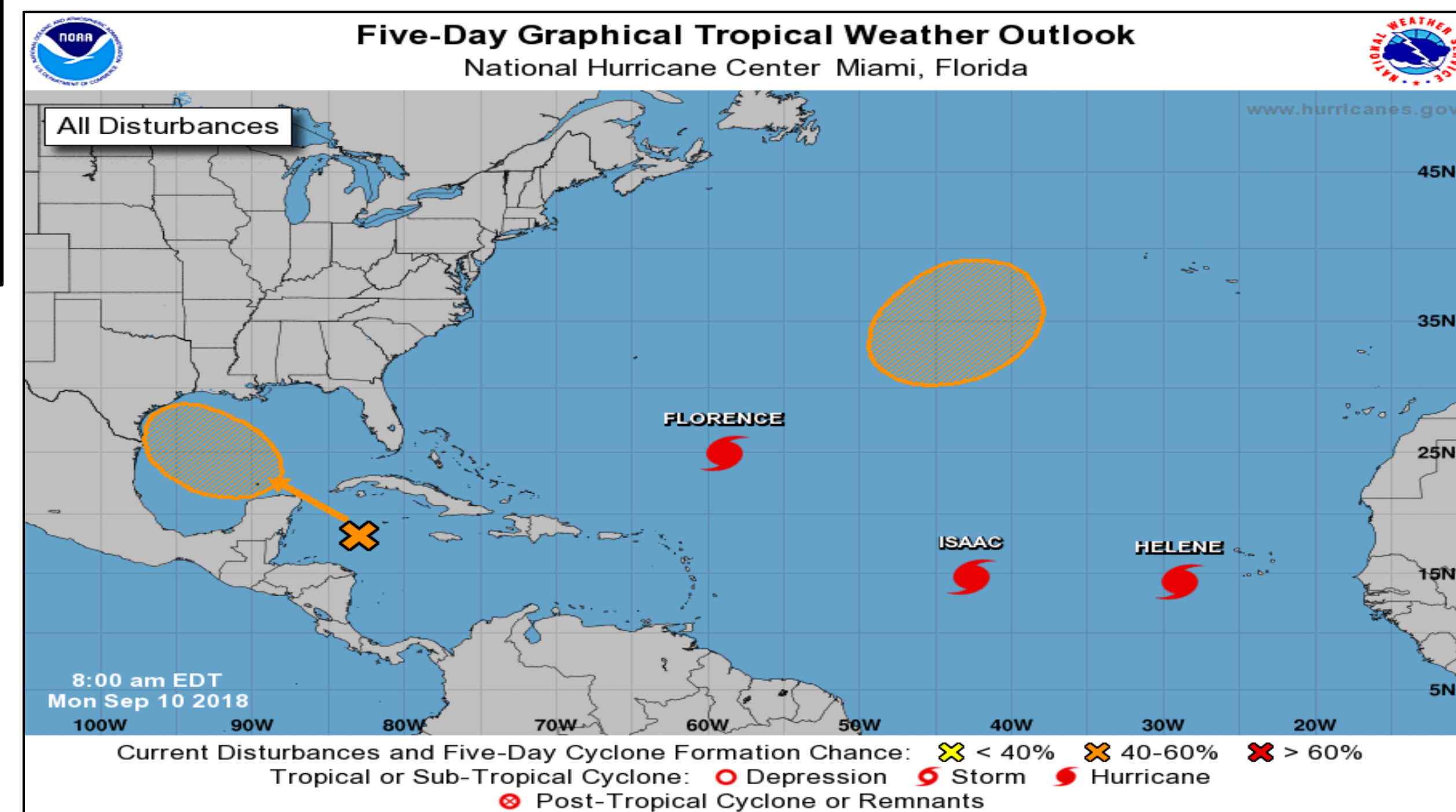
A non-tropical area of low pressure is forecast to form in the northeastern Atlantic Ocean several hundred miles west-southwest of the Azores in about two days. Some slow tropical or subtropical development is possible by the end of the week while the low moves southwestward.

- Formation chances in the next 48 hours...low...near 0 percent.
- Formation chances through 5 days...medium...40 percent.

See next slides for more information on Florence, Isaac, and Helene.

Disorganized showers and thunderstorms over the northwestern Caribbean Sea and western Cuba are associated with a weak surface trough. A tropical depression could form late this week when the system moves across the western Gulf of Mexico.

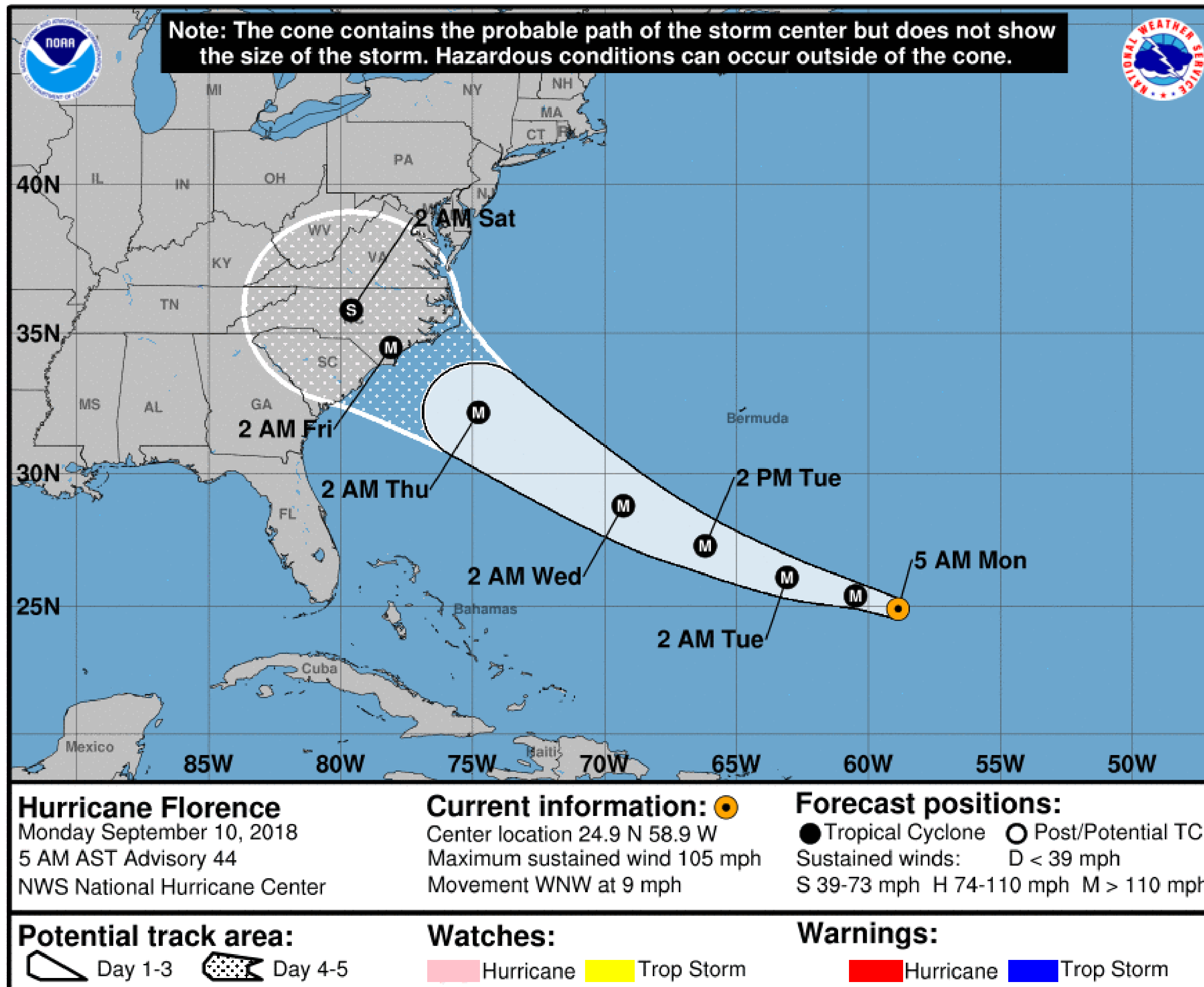
- Formation chances in the next 48 hours...low...10 percent.
- Formation chances in the next 5 days...medium...40 percent.



Florence



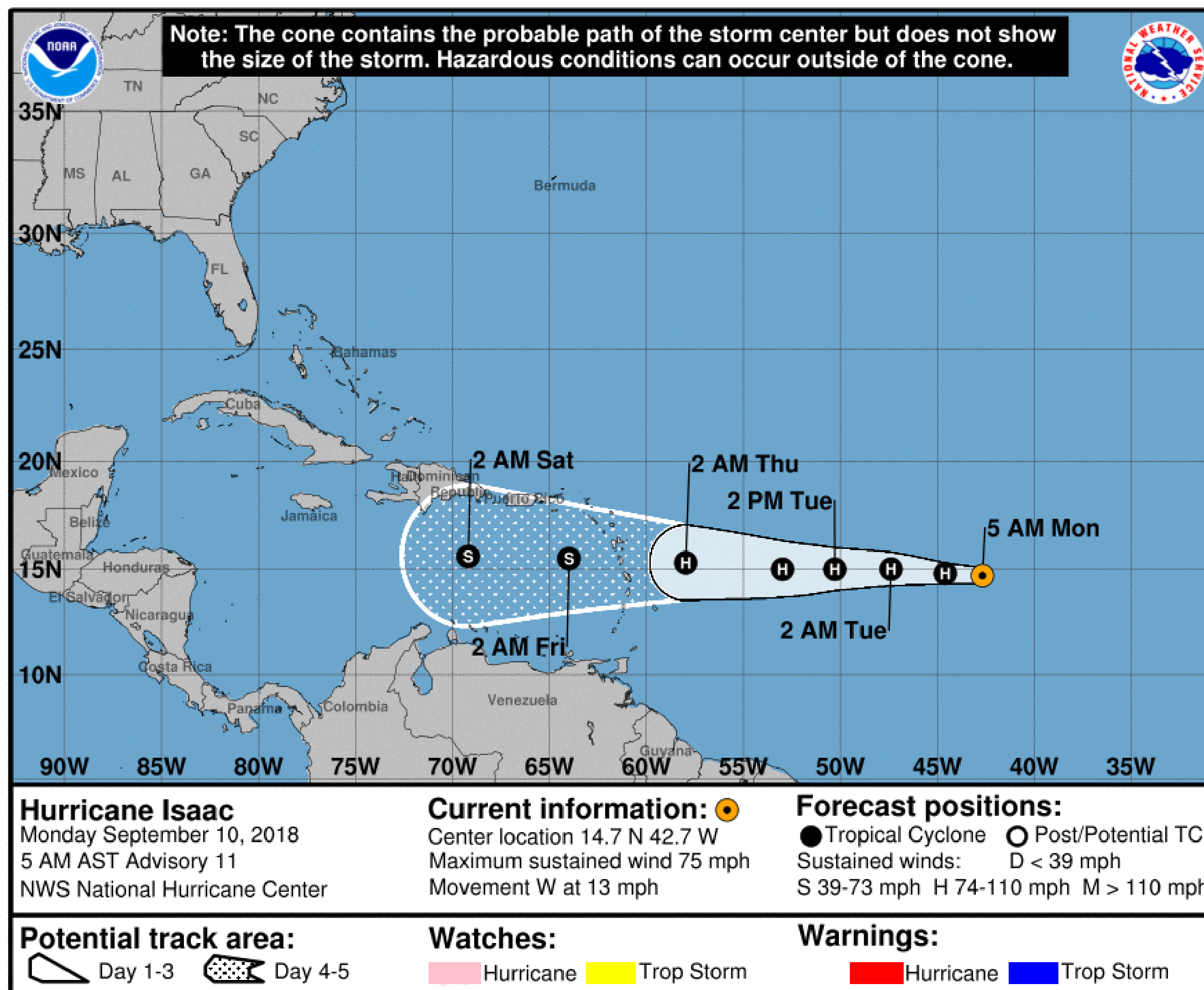
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Florence is moving toward the west-northwest at 9 mph with an increase in forward speed expected during the next couple days. Florence is expected to approach the SE US coast on Thursday.

Maximum winds are near 105 mph with higher gusts. Continued gradual strengthening is expected and Florence should become a major hurricane later today.

No Impacts to FEMA Region 6.



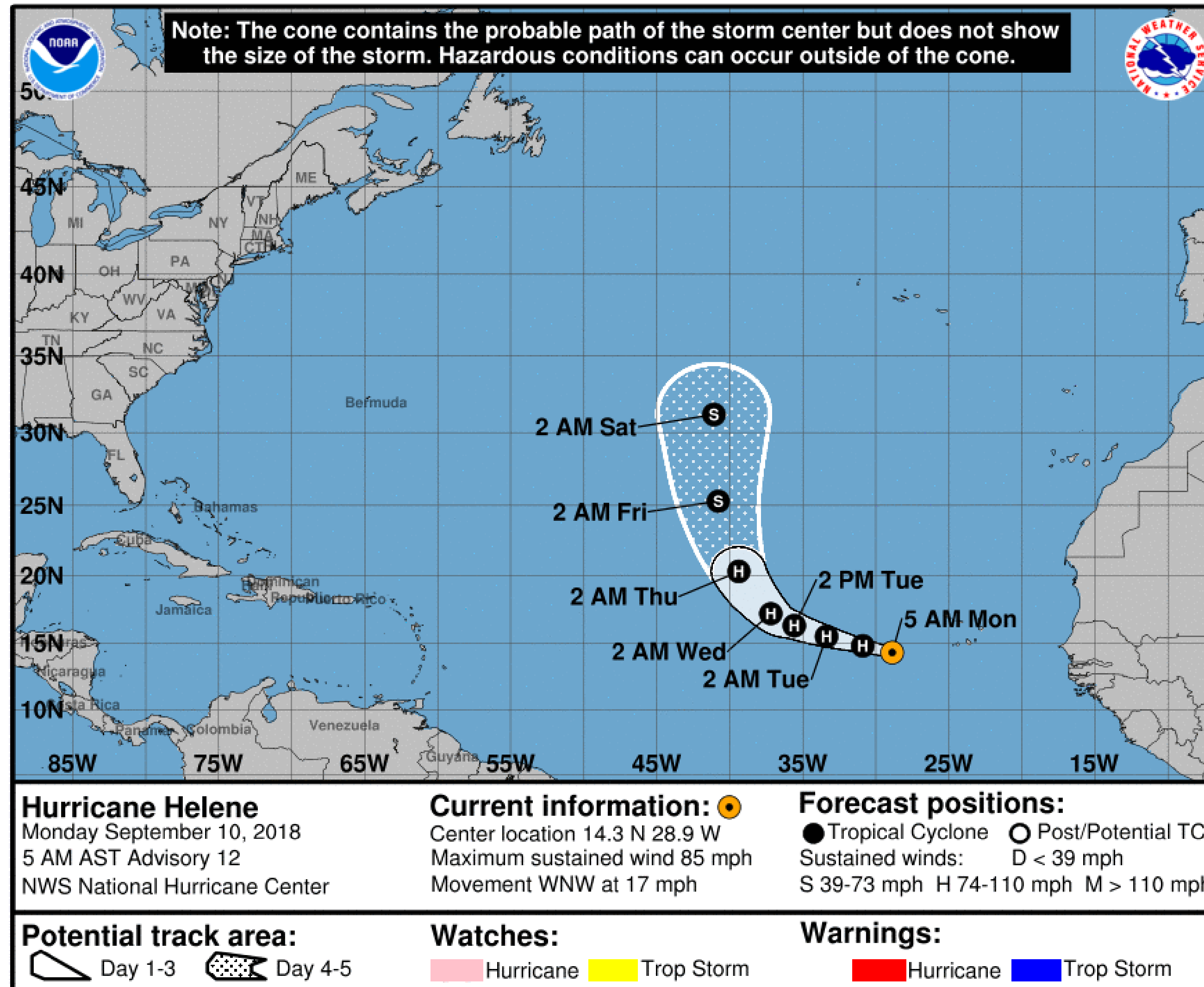
Isaac has strengthened into a hurricane and is moving west at 13 mph. A westward motion will continue with a slight increase in forward speed expected through the end of the week.

Maximum sustained winds are near 75 mph with higher gusts. Strengthening is forecast over the next day or two with weakening expected to begin by mid-week.

Helene



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Helene is moving toward the west-northwest at 17 mph. A turn to the northwest is expected this week.

Maximum winds are near 85 mph with higher gusts. No significant impacts to FEMA Region 6.

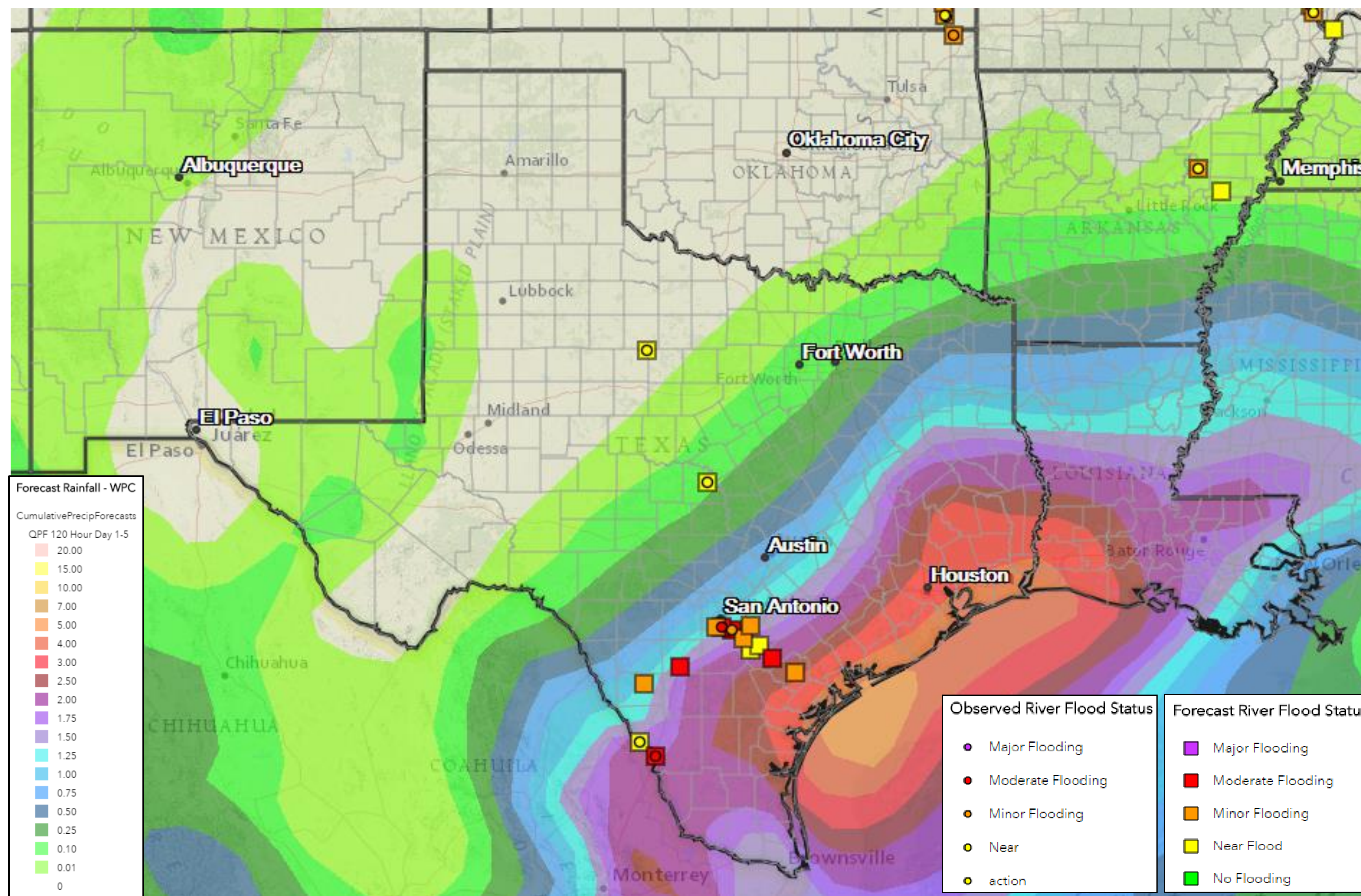
5-Day Precipitation Forecast & River Flood Status



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Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall

Several river points in Central and South Texas will be in minor or moderate flood stage over the next few days.

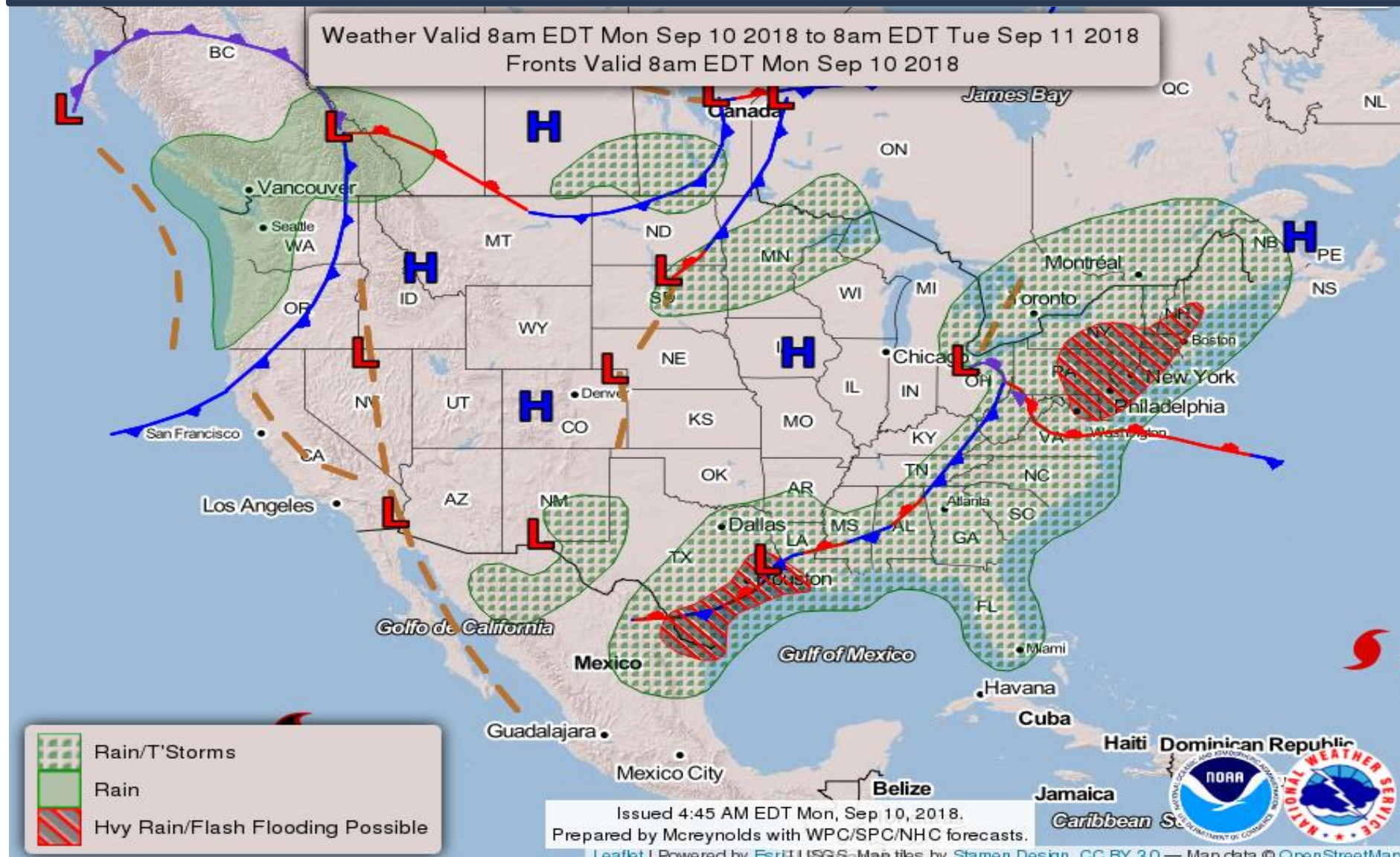


Today's Weather

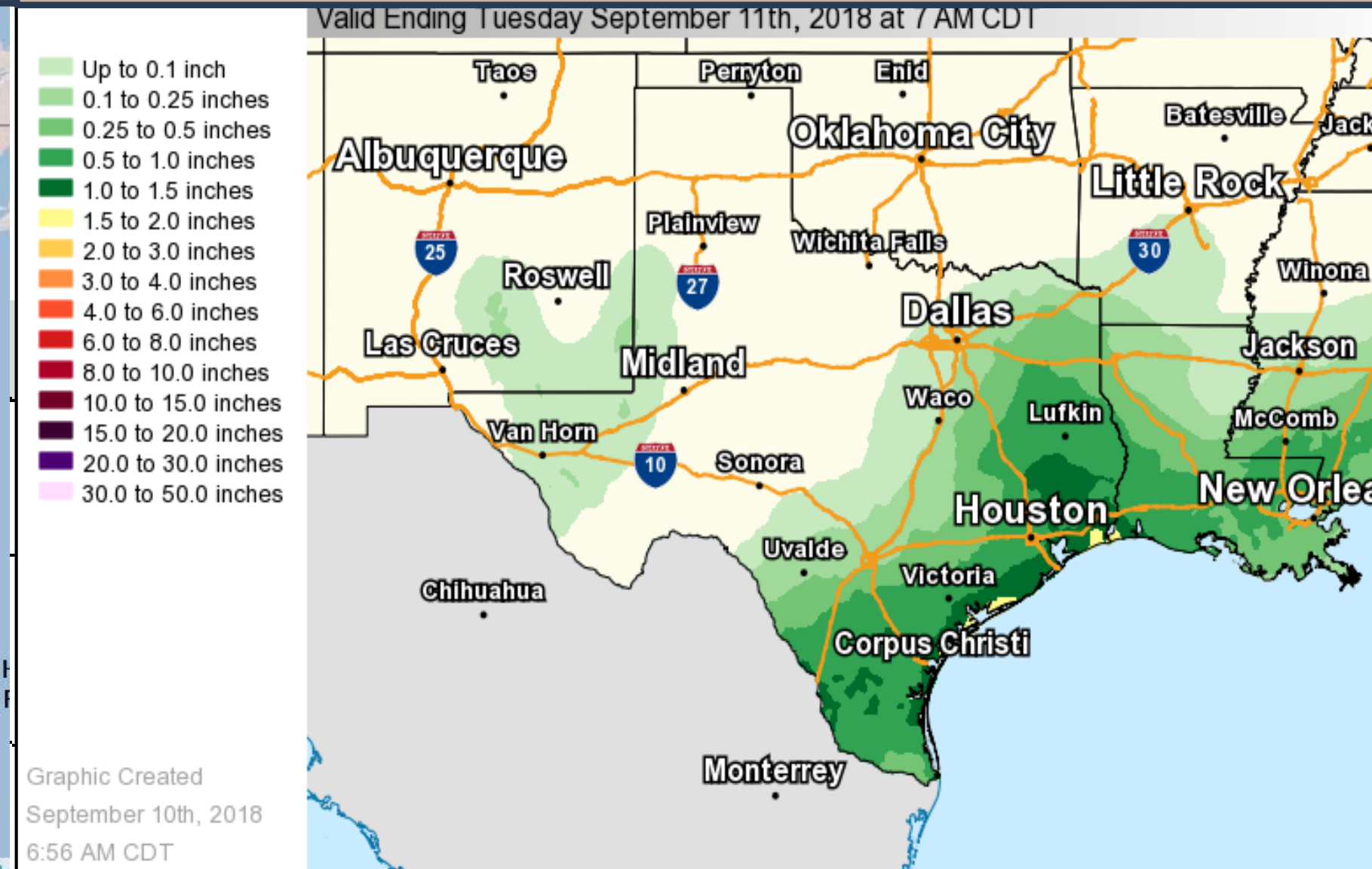


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Forecast Chart

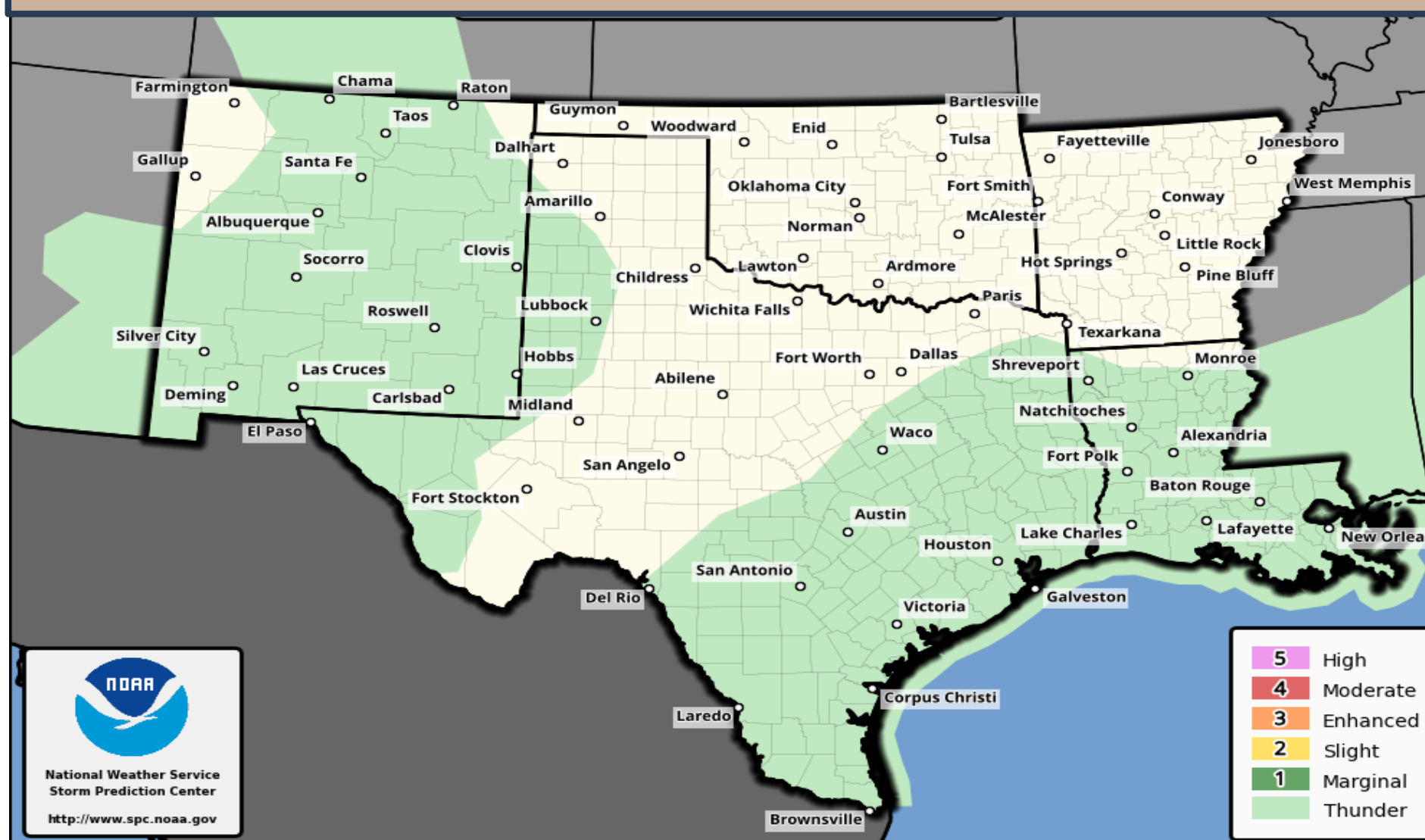


Forecast Rainfall

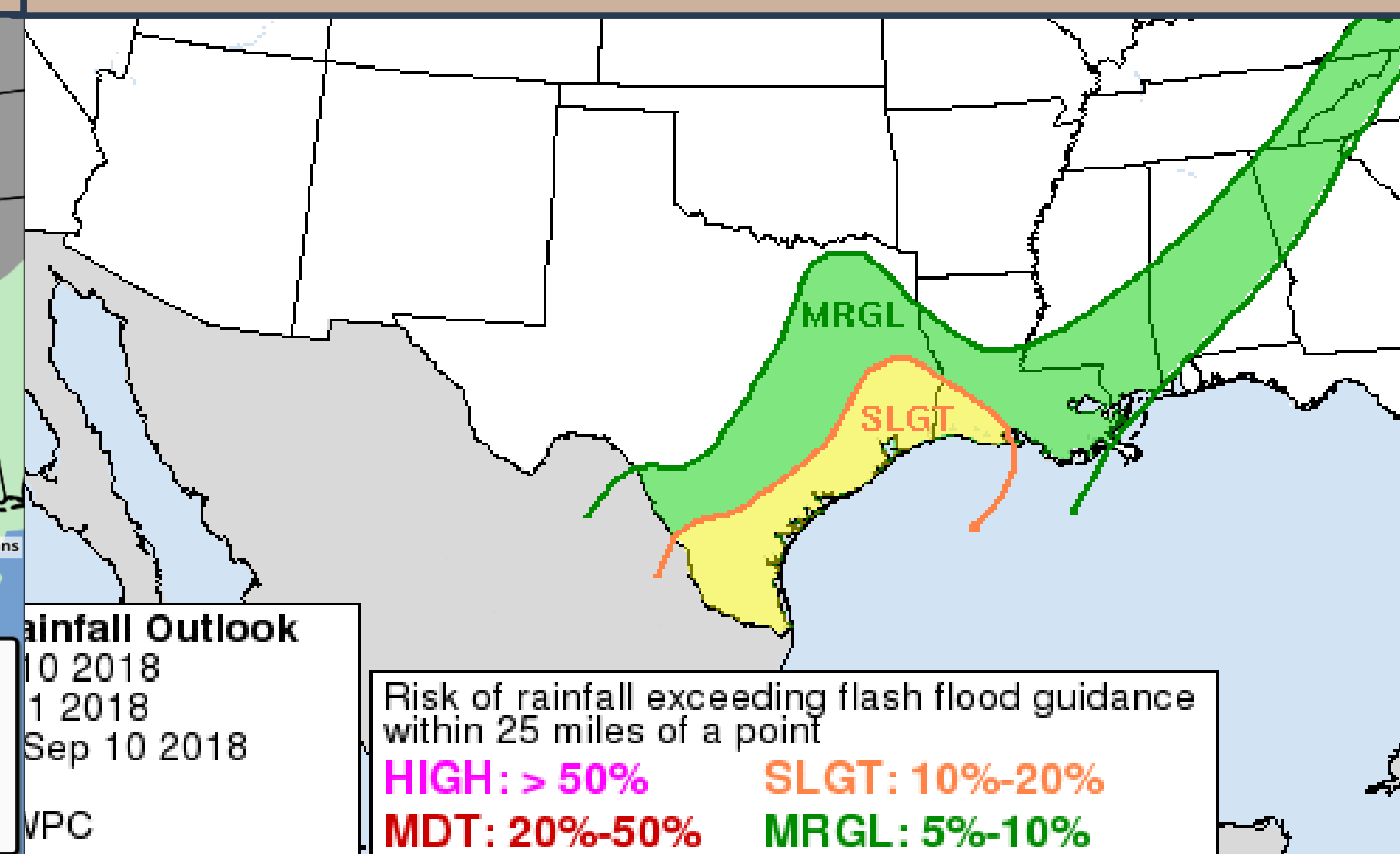


Areas of heavy rain/flash flooding possible along the TX/LA coasts.

Severe Weather Outlook



Excessive Rainfall Outlook



Rainfall Outlook
10 2018
11 2018
Sep 10 2018
WPC

Risk of rainfall exceeding flash flood guidance within 25 miles of a point

HIGH: > 50%	SLGT: 10%-20%
MDT: 20%-50%	MRGL: 5%-10%

Watches, Warnings, and Advisories



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Fire Weather



Graphic Created

Severe Weather & Flooding



Graphic Created

Flash flood watches are in effect today for portions of southeast, central and south TX.

Strong & Gusty Winds



Graphic Created

Winter Weather



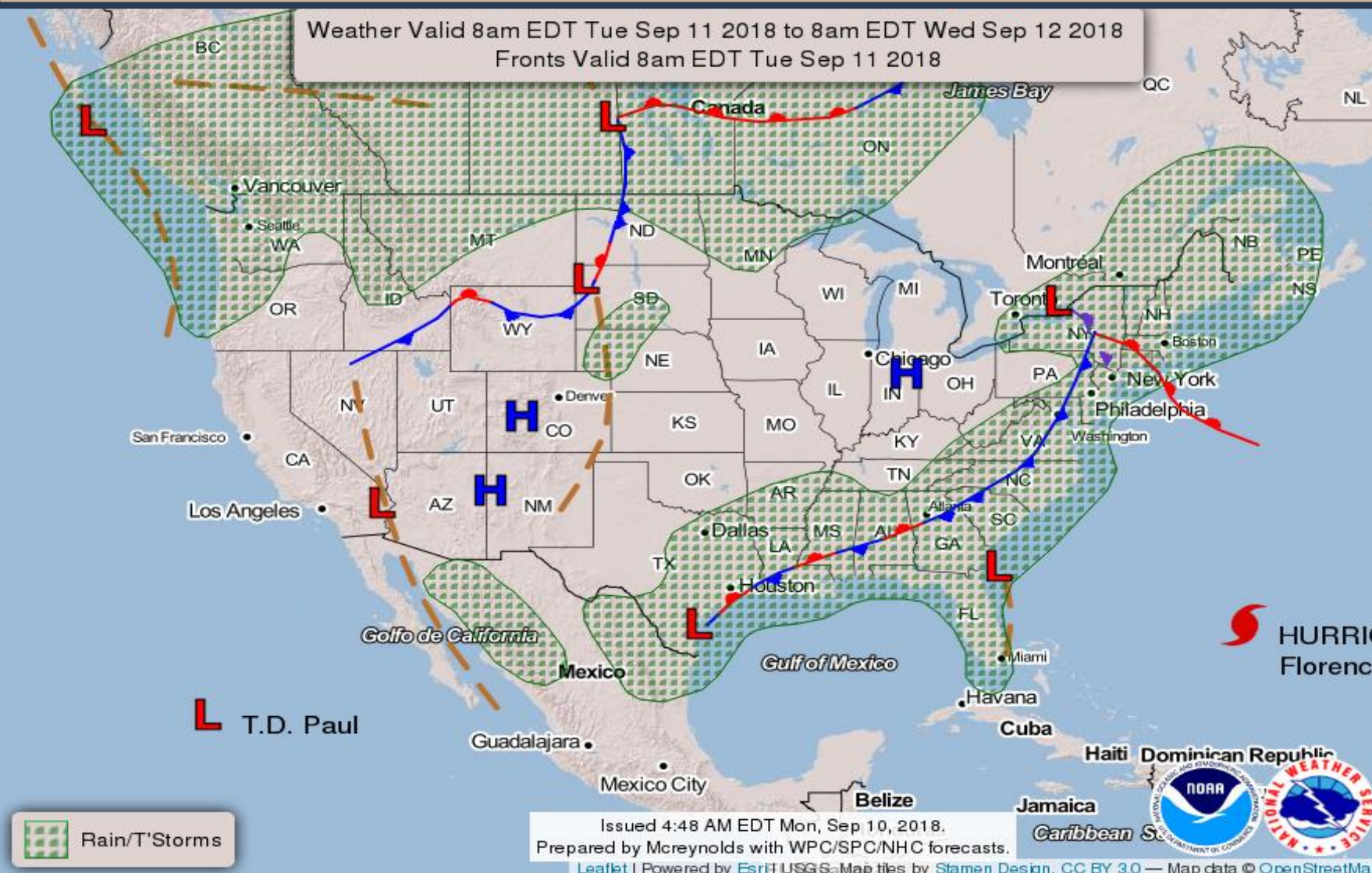
Graphic Created

Tomorrow's Weather

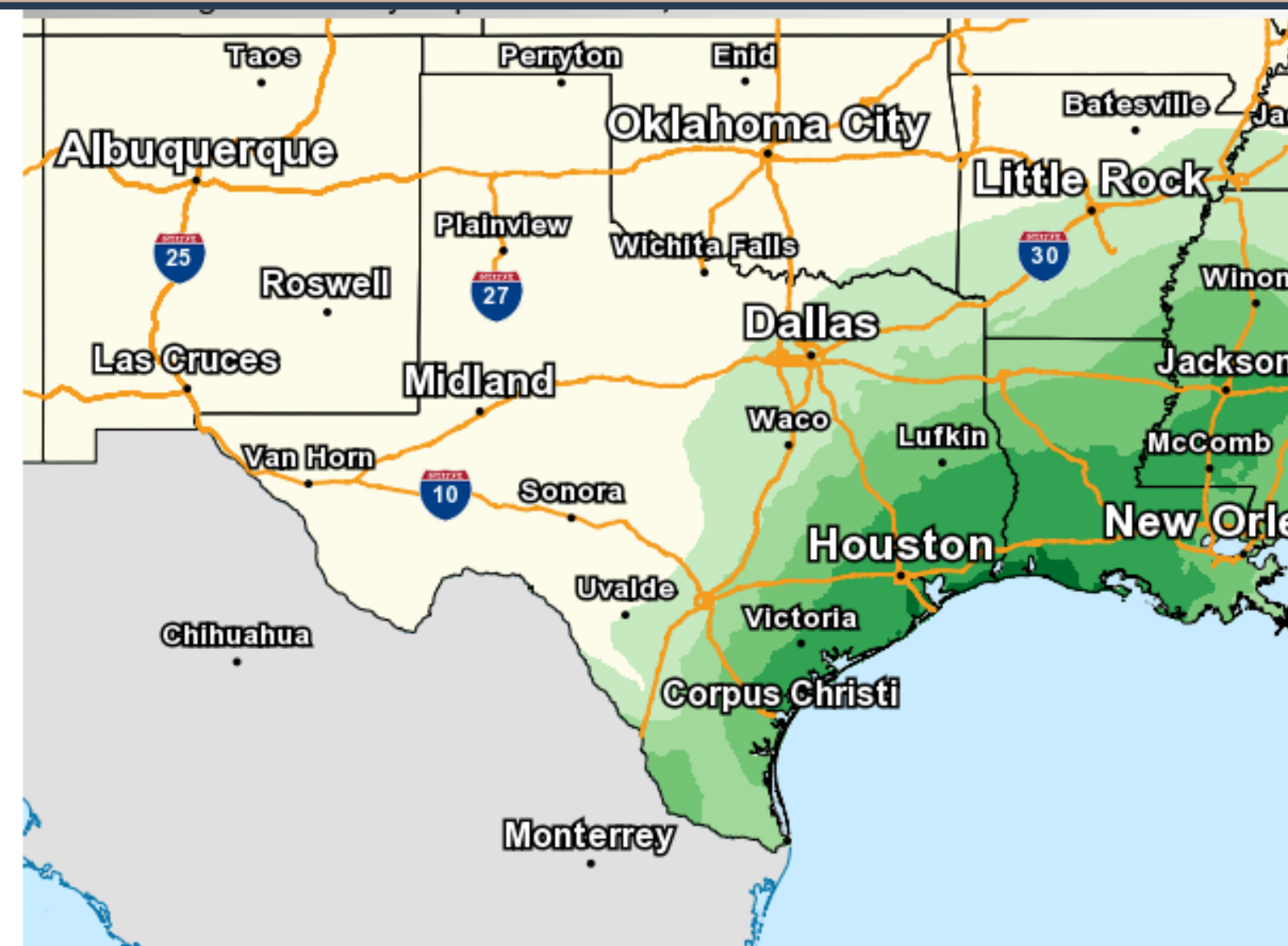
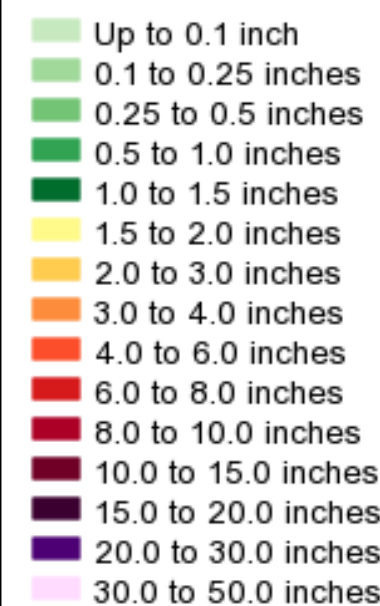


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Forecast Chart

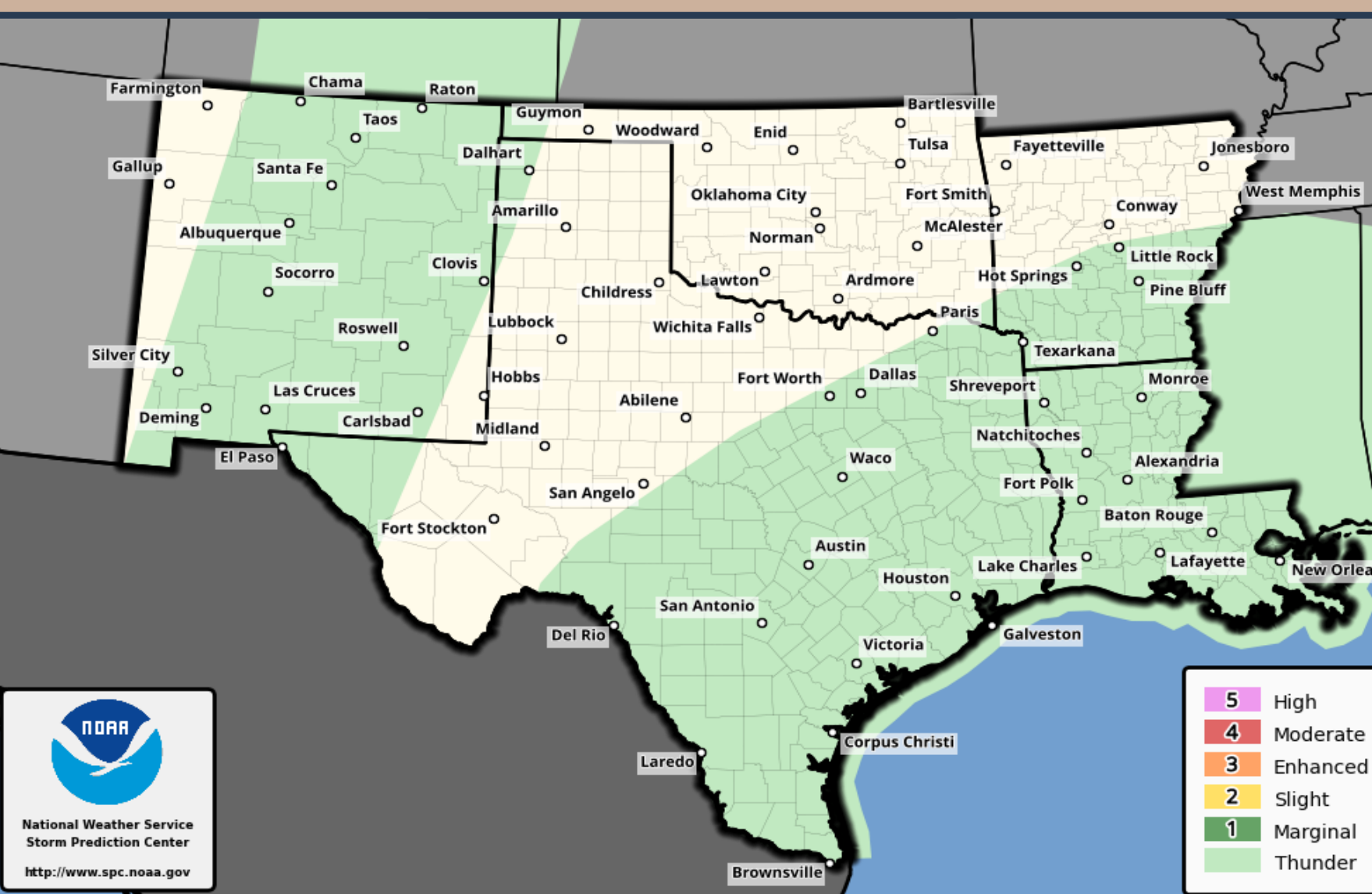


Forecast Rainfall

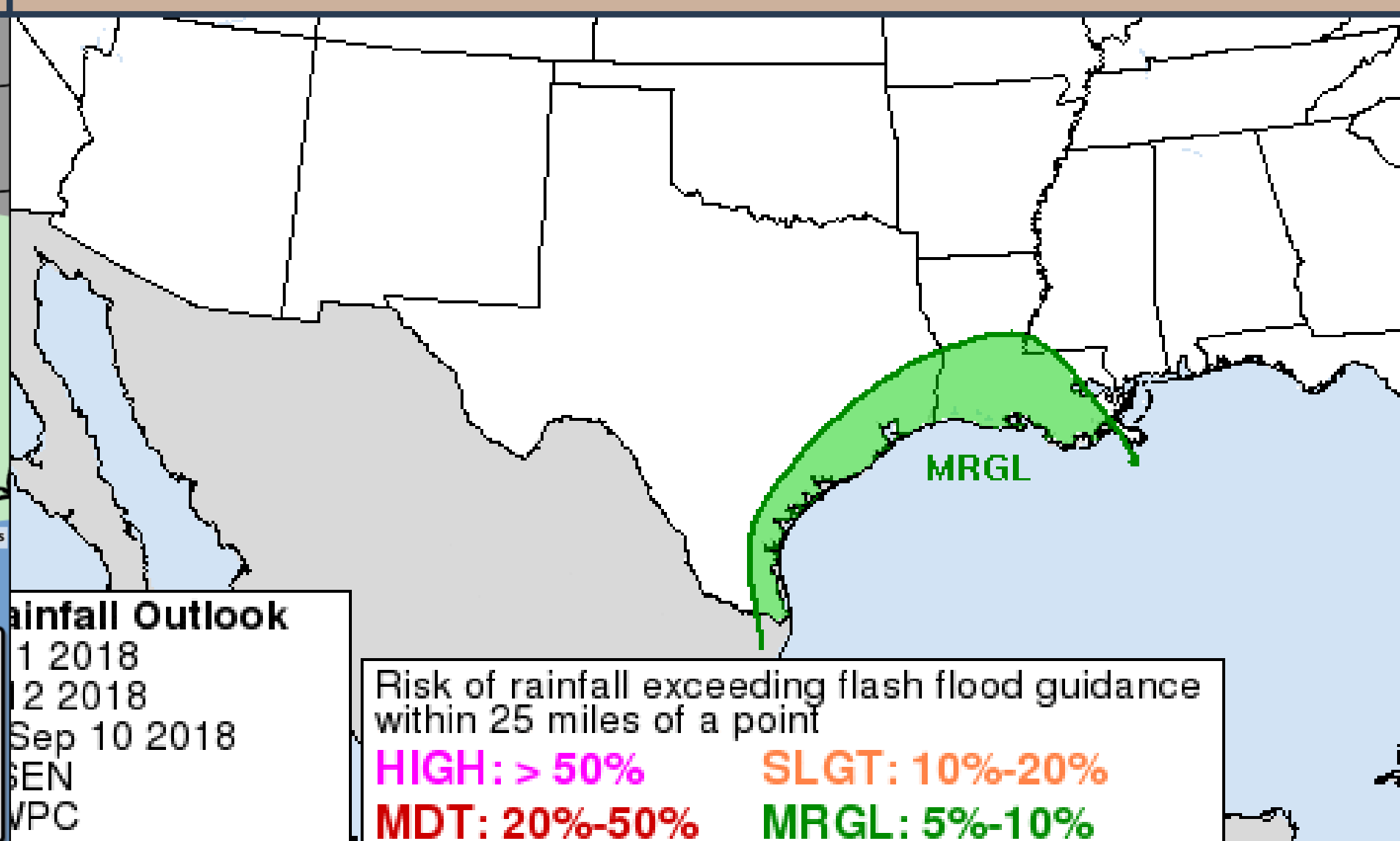


Isolated areas of heavy rain/flash flooding possible along/near the TX/LA coasts.

Severe Weather Outlook



Excessive Rainfall Outlook

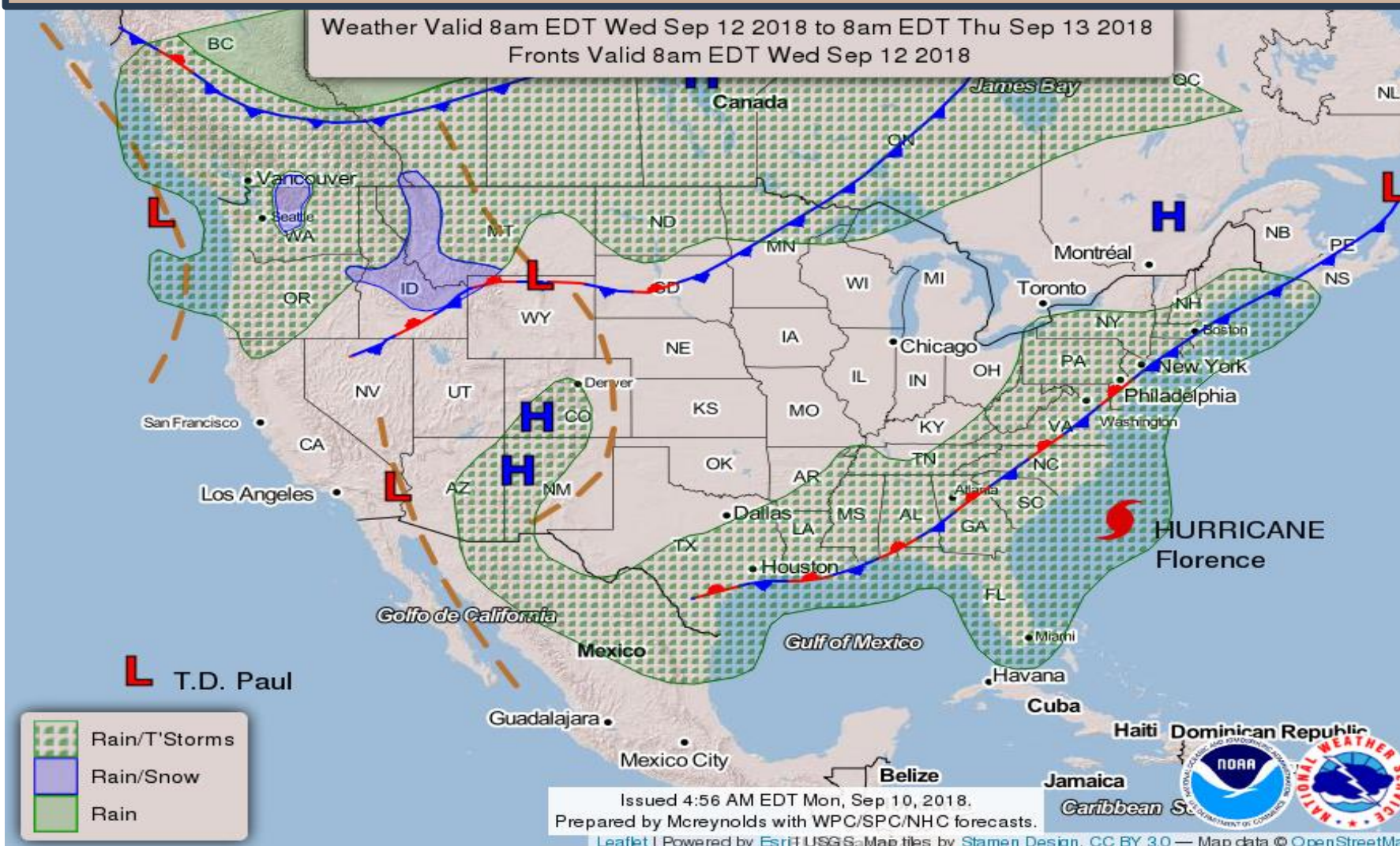


Wednesday's Weather



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Forecast Chart

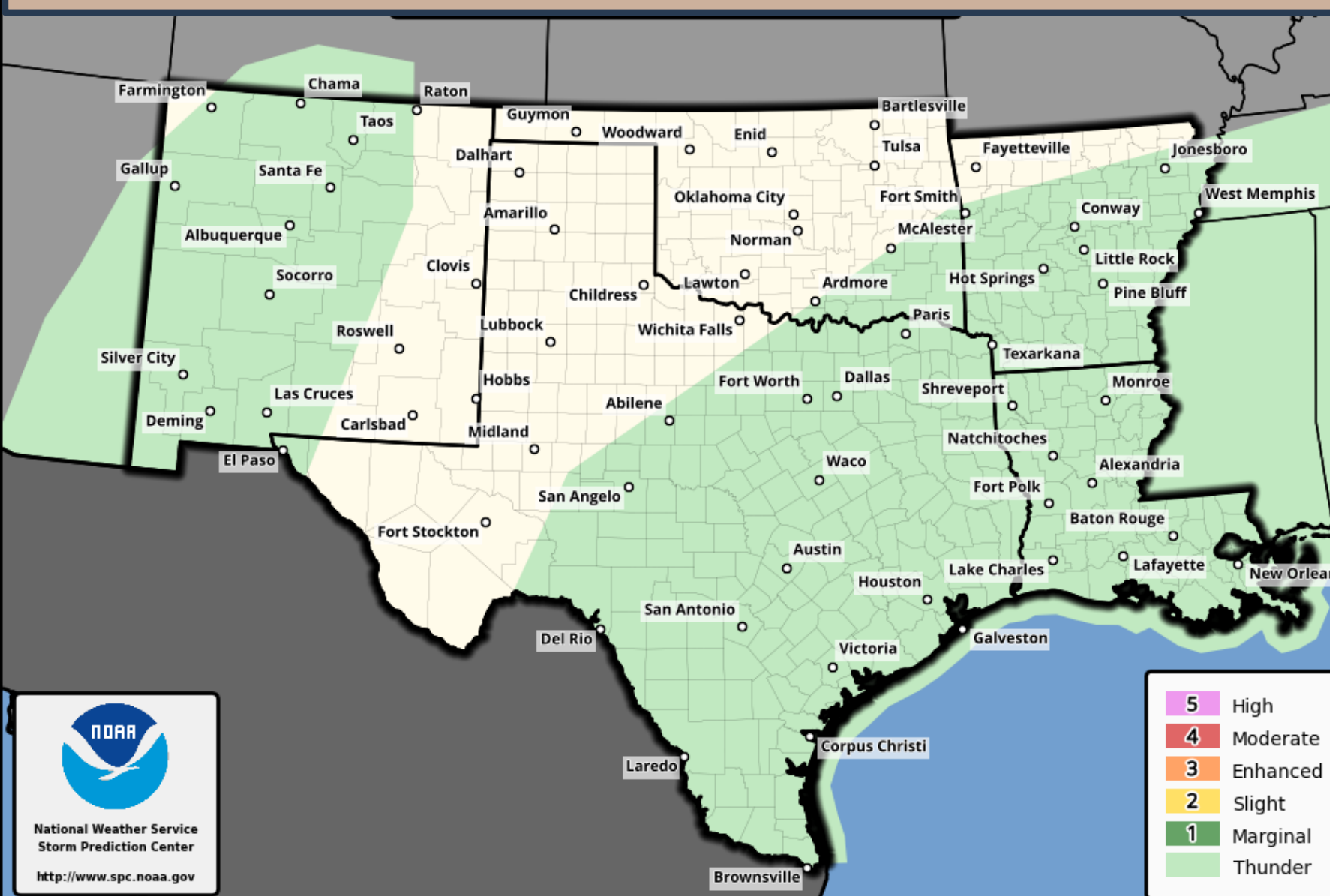


Forecast Rainfall

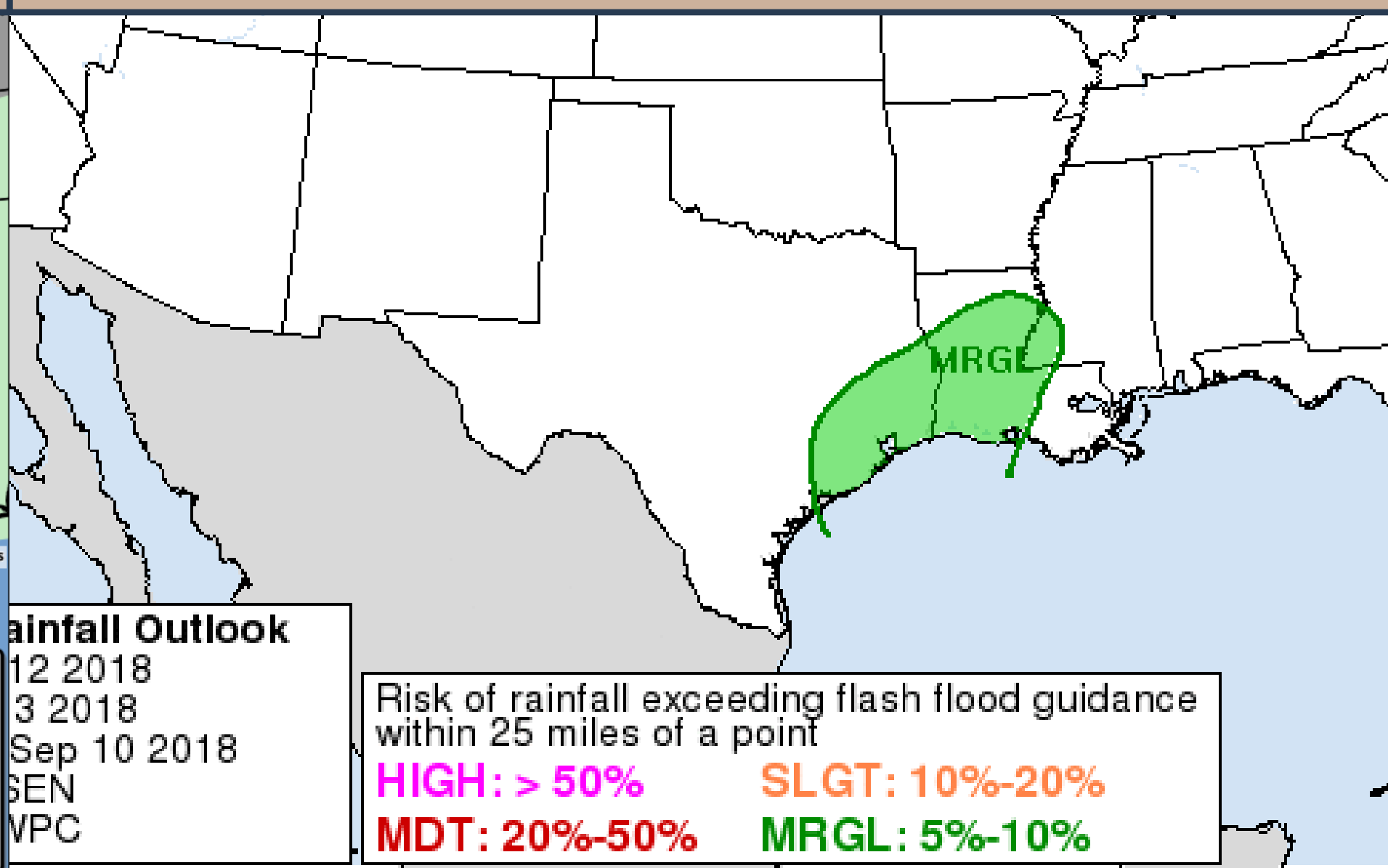


Isolated areas of heavy rain/flash flooding possible along/near the TX/LA coasts and into central Louisiana.

Severe Weather Outlook



Excessive Rainfall Outlook

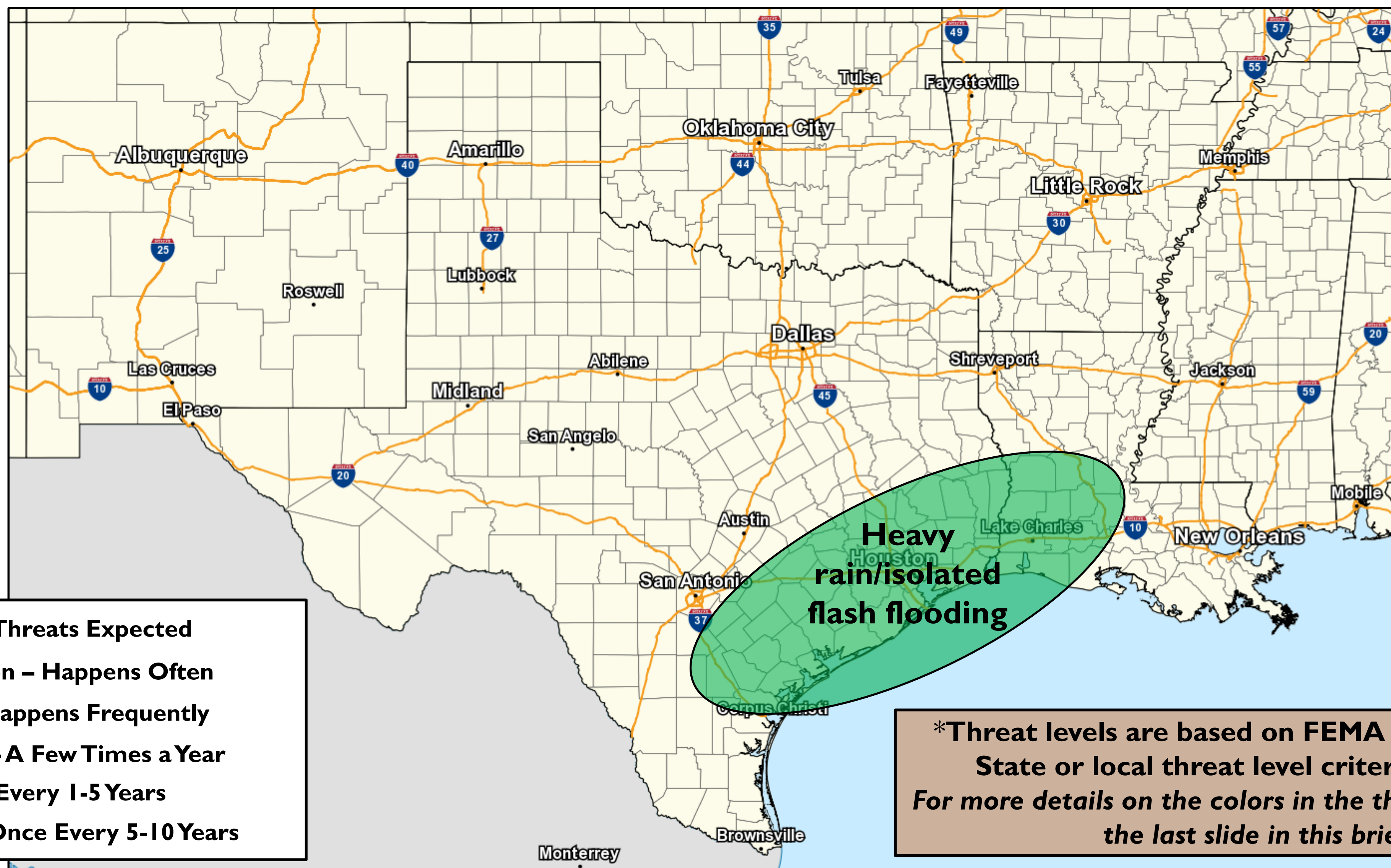


Days 4-5 Weather Hazards

Thursday - Friday



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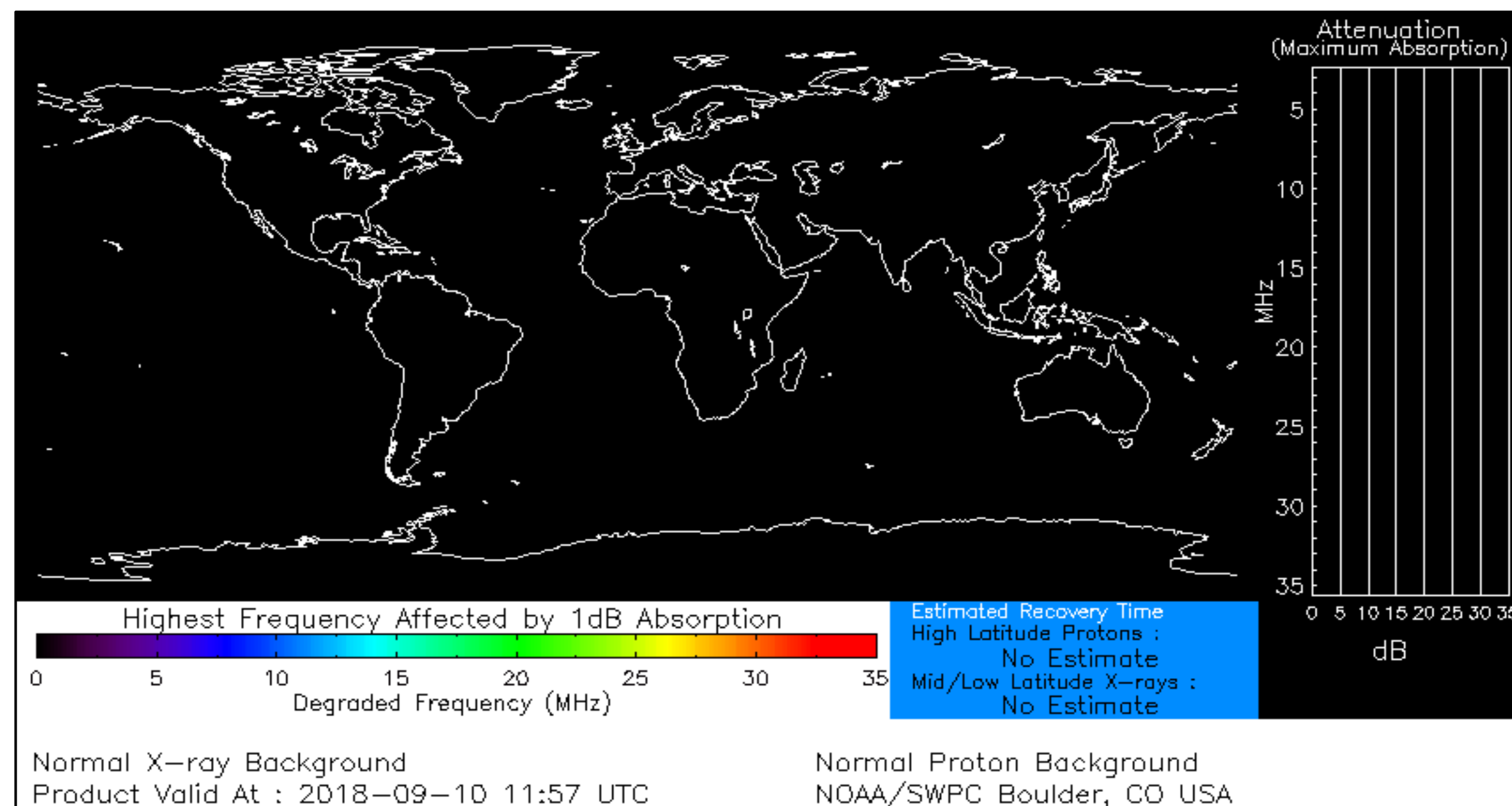


Space Weather 3-Day Forecast



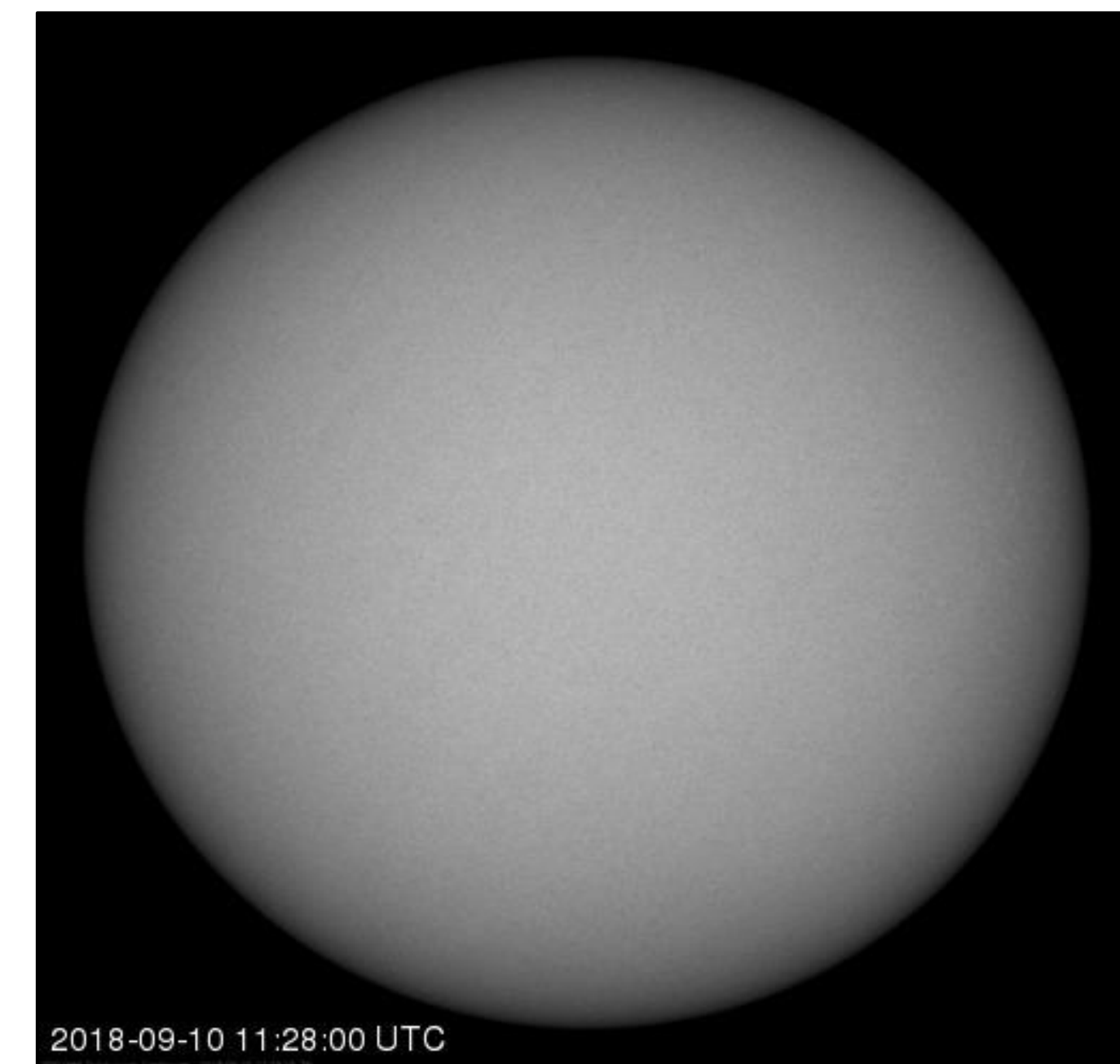
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	Monday	Tuesday	Wednesday
Geomagnetic Storms	Minor (G1) Storm (Max Kp = 5)	Minor (G2) Storm (Max Kp = 6)	Minor (G1) Storm (Max Kp = 5)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)





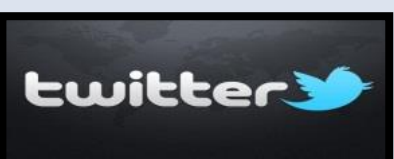
For more information, please contact:

National Weather Service
Southern Region Headquarters
Regional Operations Center
Fort Worth, TX

Phone: (682) 703-3747

E-mail: sr-srh.roc@noaa.gov

Web: <http://www.weather.gov/srh>



Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	Very Common Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX
Yellow	Somewhat Common – Happens Frequently Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> 2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail
Orange	Uncommon – A Few Times a Year Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail Some large fires reported, burn bans advertised, critical conditions expected
Red	Rare – Once every 1-5 Years Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> A Category 1 hurricane will be moving towards the NW Gulf in the next few days Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail Large fires ongoing throughout the area with critical fire weather conditions expected to continue
Purple	Very Rare – Once Every 5-10 Years Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms

Criteria for the color codes in this briefing is to the left, please provide any feedback to

sr-srh.roc@noaa.gov